

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference <b>MSB-7265-PCT</b>	<b>FOR FURTHER ACTION</b> see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. <b>PCT/US 01/ 10222</b>	International filing date (day/month/year) <b>30/03/2001</b>	(Earliest) Priority Date (day/month/year) <b>31/03/2000</b>
Applicant <b>BAYER CORPORATION</b>		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☒ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☒ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1  
☐ None of the figures.

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/10222

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/12 C07K14/78 C07K16/18 G01N33/68 A61K38/17  
A61K48/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N C07K G01N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, EMBL, CHEM ABS Data, BIOSIS, SEQUENCE SEARCH, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	NISHIMORI H ET AL: "NOVEL BRAIN-SPECIFIC P53-TARGET GENE, BAI1, CONTAINING THROMBOSPONDIN 1 REPEATS INHIBITS EXPERIMENTAL ANGIOGENESIS" ONCOGENE, BASINGSTOKE, HANTS, GB, vol. 15, no. 18, October 1997 (1997-10), pages 2145-2150, XP000923392 ISSN: 0950-9232 cited in the application the whole document	7,21
A	---	1-6,15
X	WO 99 37660 A (IRUELA ARISPE LUISA ; RUBEN STEVEN M (US); HASTINGS GREGG A (US)) 29 July 1999 (1999-07-29) sequence ID no.8 claims; figure 5	7,9,21
A	---	1-6, 10-20
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

17 December 2001

Date of mailing of the international search report

11/01/2002

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## INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/10222

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>✓ DATABASE EMBL 'Online!  HSZZ38214, accession number AA332746,  18 April 1997 (1997-04-18)  M.D. ADAMS ET AL: "EST37209 Embryo, 8week  Homo sapiens cDNA 5' end"  XP002185822  abstract  &amp; M.D. ADAMS ET AL: "Initial assessment  of human Gene diversity and expression  patterns based upon 83 million Basepairs  of cDNA sequence"  NATURE,  vol. 377, 1995, pages 3-174,  ---</p>	15
X	<p>✓ WO 93 16716 A (UNIV NORTHWESTERN)  2 September 1993 (1993-09-02)  sequence ID no.1  claims</p>	7,9,21
A		1-6, 10-20
T	<p>✓ DATABASE EMBL 'Online!  HSA306906, accession number AJ306906,  26 April 2001 (2001-04-26)  G. KOSTKA ET AL: "FIBL-6 gene; Fibulin-6"  XP002185823  abstract  &amp; UNPUBLISHED,</p>	1-21
T	<p>✓ DATABASE EMBL 'Online!  AF156100_1, accession number AAK68690.1,  29 June 2001 (2001-06-29)  J. TRENT : "human Hemicentin gene"  XP002185824  abstract  &amp; UNPUBLISHED,</p> <p>-----</p>	1-21

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 01/10222

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 9937660	A	29-07-1999	AU	2464199 A		09-08-1999
			CN	1292796 T		25-04-2001
			EP	1049708 A1		08-11-2000
			WO	9937660 A1		29-07-1999
WO 9316716	A	02-09-1993	WO	9316716 A1		02-09-1993